

**Encoding digital video signals**

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Equivalents: DE69624639D, DE69624639T, JP3353604B2  
Cited patent(s): EP0597647; US5343247; EP0700213; EP0708564; EP0541302

**Abstract**

In a technique for motion compensation encoding, a digital video signal is pre-filtered in a first filter and motion information derived from the same video signal pre-filtered in a second filter is used to encode the first-filtered video signal. More specifically, a received digital video signal is filtered in a first pre-filter (101), which has a controllable filter characteristic that varies in response to several characteristics of the received digital video signal. The originally received digital video signal also is filtered in a second pre-filter (102). A motion vector is derived (105) from motion that is detected in the second filtered signal, and the first filtered video signal is motion compensation encoded using the derived motion vector of the second filtered video

signal.



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(54) **Encoding digital video signals**

(57) In a technique for motion compensation encoding, a digital video signal is pre-filtered in a first filter and motion information derived from the same video signal pre-filtered in a second filter is used to encode the first-filtered video signal. More specifically, a received digital video signal is filtered in a first pre-filter (101), which has a controllable filter characteristic that varies in response to several characteristics of the received digital video signal. The originally received digital video signal also is filtered in a second pre-filter (102). A motion vector is derived (105) from motion that is detected in the second filtered signal, and the first filtered video signal is motion compensation encoded using the derived motion vector of the second filtered video signal.

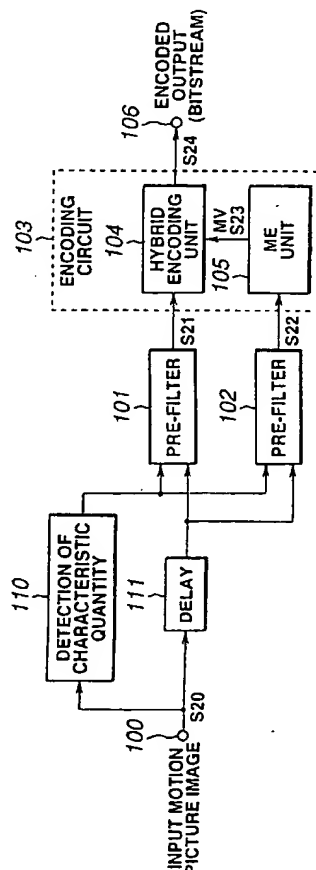


FIG. 5